

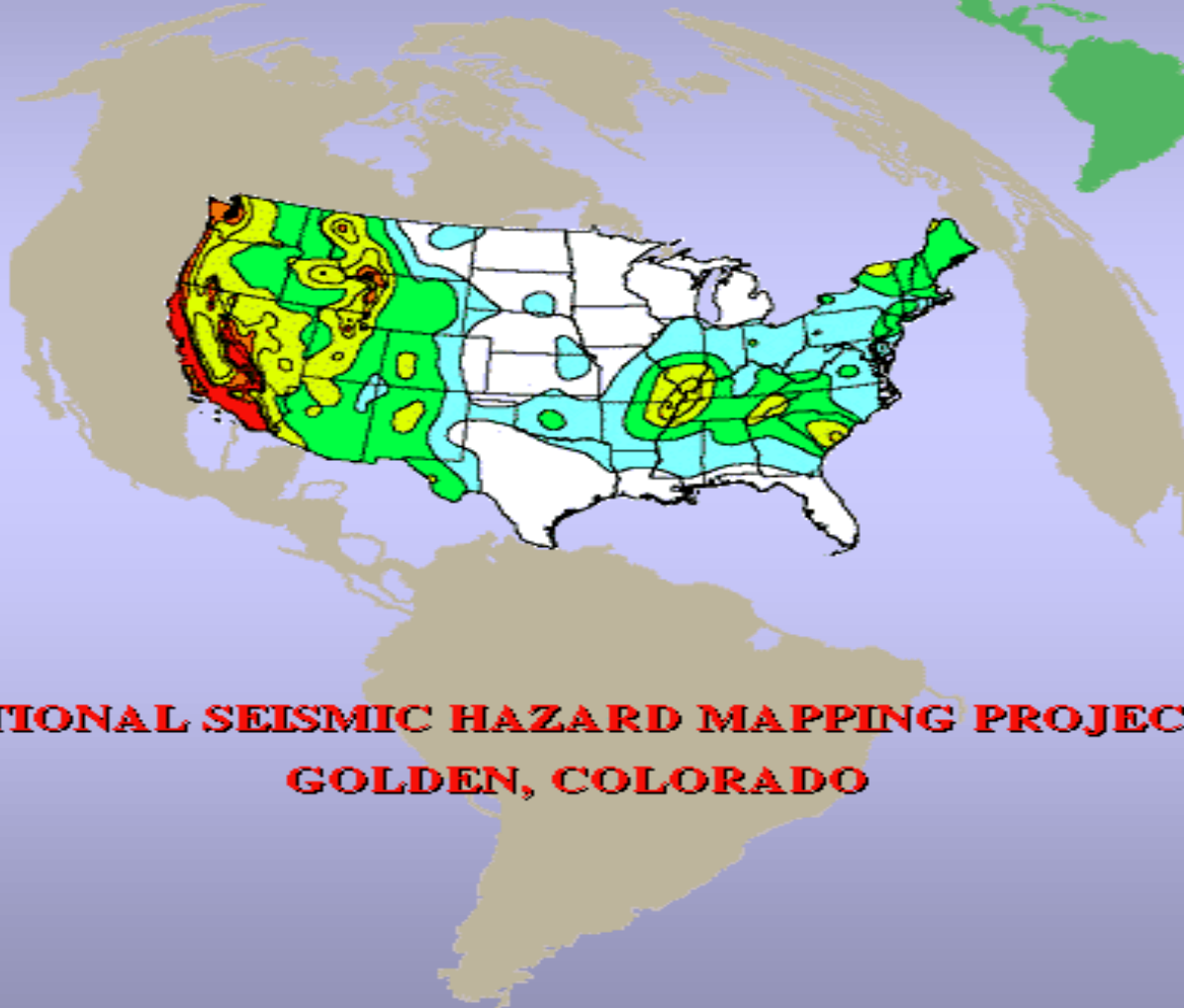
# Earthquake Safety



**MSCoE Safety Office**

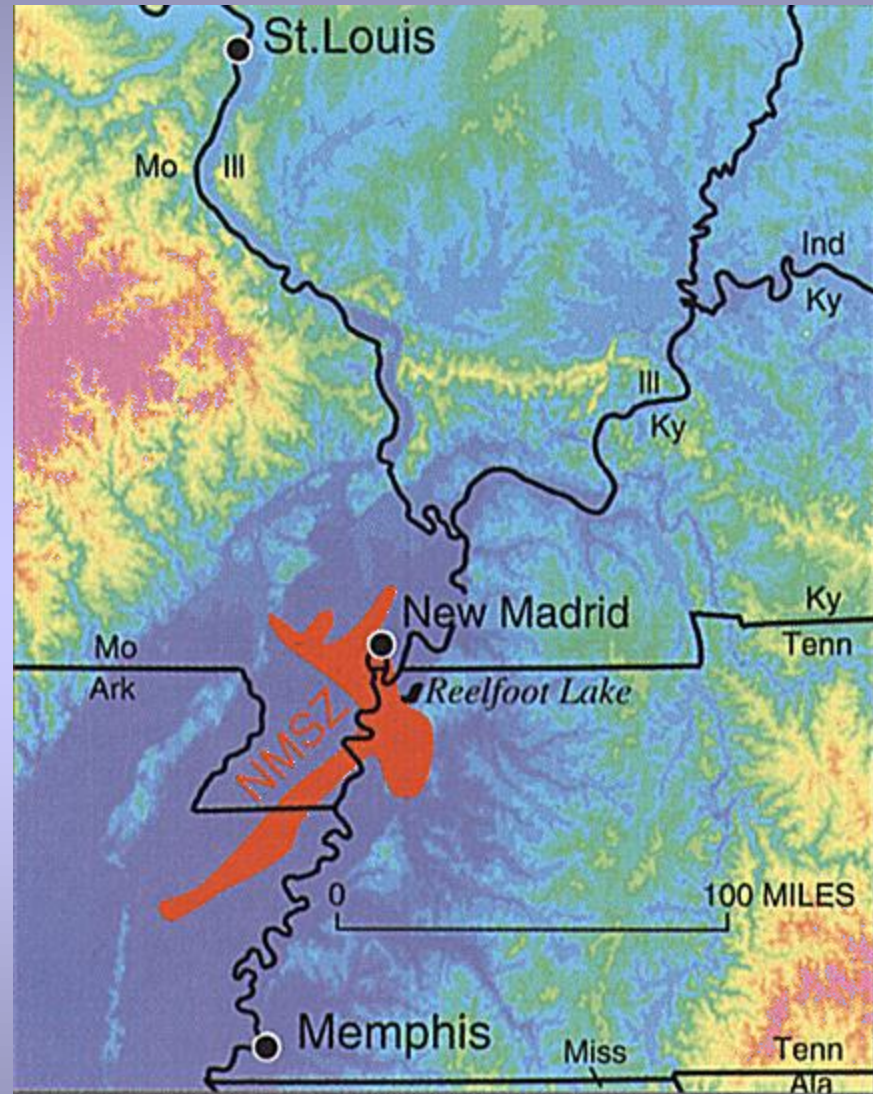


# Seismic Danger Zones



**NATIONAL SEISMIC HAZARD MAPPING PROJECT**  
**GOLDEN, COLORADO**

# Missouri's Major Fault Area





# Family Readiness

- Create a family Earthquake plan
- Know the safe spot in each room
- Know the danger spots
- Decide where your family will reunite if separated
- Keep a list of emergency phone numbers
- Develop a survival kit for work, car, and home



# Home Preparedness

- Learn how to shut off gas, water, and electricity
- Check chimneys, roofs, and wall foundations for stability
- Secure heavy furnishings
- Secure water heater and appliances
- Keep heavy objects on lower shelves
- Maintain emergency food, water, medicine, first aid kit, tools, and clothing



# Emergency Supplies

- **First Aid supplies**

- Band-Aids
  - antibiotic ointment
  - latex gloves
  - cold/hot packs
  - ace bandages
  - arm sling
  - Tylenol or Advil
  - diarrhea medication

- **Equipment**

- work gloves
  - shovel
  - tents
  - sleeping bags
  - ready to eat foods
  - clothing
  - radio, flashlights
  - CASH





# Emergency Food

- **Camp or backpacking stove**  
propane tank
- **Canned foods**  
manual can opener
- **MRE's**
- **Granola bars**
- **Energy bars**



# Safe Drinking Water

- **Store a supply of water**
  - 1 and 5 gallon containers
  - do not store on concrete
- **Purifying tap water**
  - 8 drops bleach per gal of water
  - add bleach when storing
  - or, boil for 10 minutes
- **Water from water heater**
  - turn off gas or electric
  - turn off cold water supply
  - once cooled, drain at bottom
- **Other sources**
  - toilet storage tank
  - melted ice cubes
  - water trapped in pipes





# During an Earthquake

- Stay away from windows, bookcases, file cabinets, heavy mirrors, and other heavy objects that could fall
- Duck under a desk or sturdy table
- Watch for falling plaster or ceiling tiles
- Stay undercover until the shaking stops, and hold onto your cover
- If the desk or table you are under moves... move with it
- If in your car, stop, but not on a bridge, or under trees or a power line
- If outside, stay outside, and move to an area clear of overhead trees, power lines, or objects that could fall from a structure
- Don't forget about aftershocks



# After The Earthquake

- Be prepared for aftershocks, plan for cover when they occur
- Check for injuries, give first aid as necessary
- Remain calm, try to reassure others
- Wear shoes to avoid injury from broken glass
- Check for fire and take appropriate actions
- Check gas, water, and electric lines
- Tune to emergency broadcast system on radio

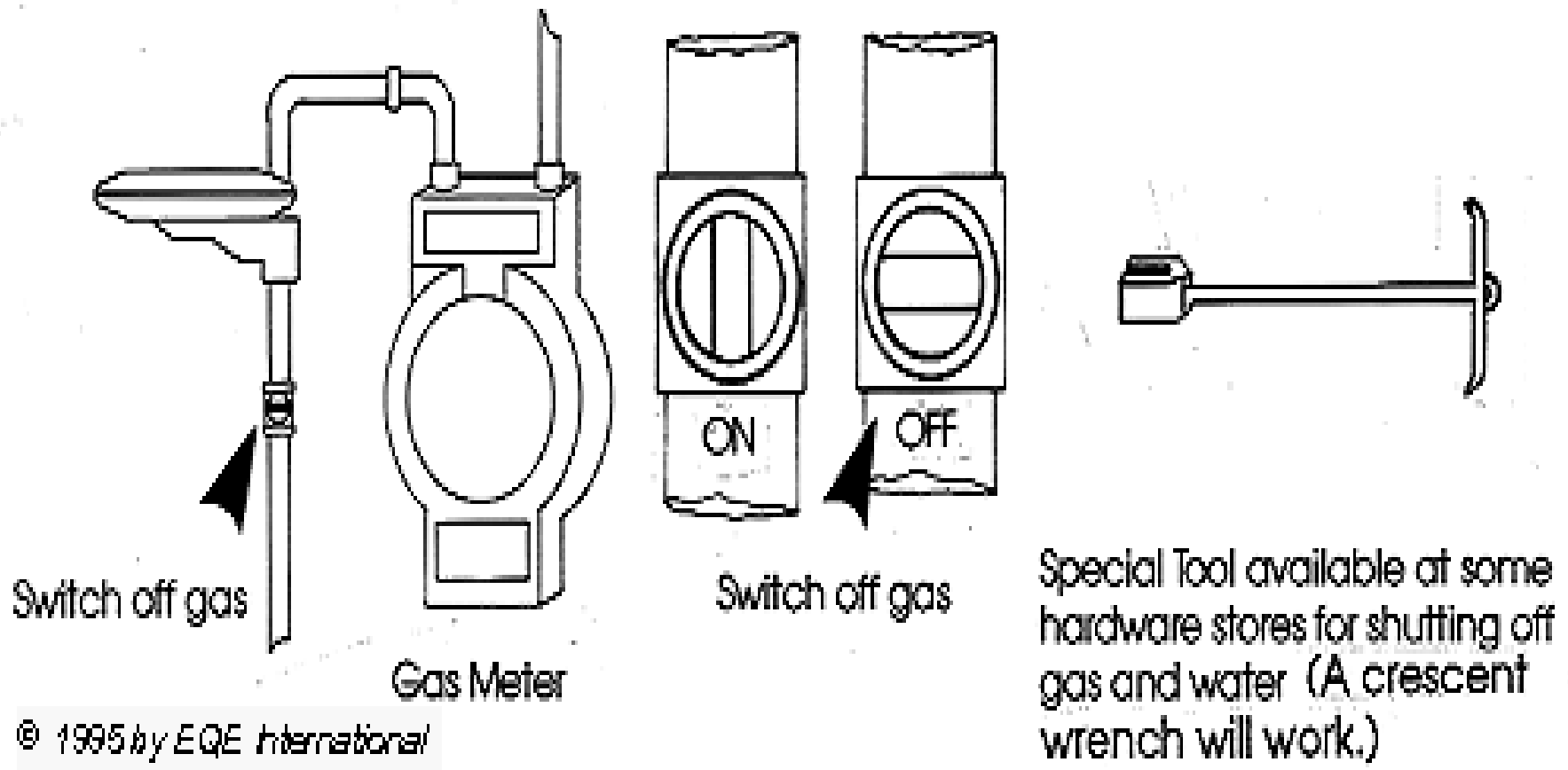


# How to Shut Off Utilities

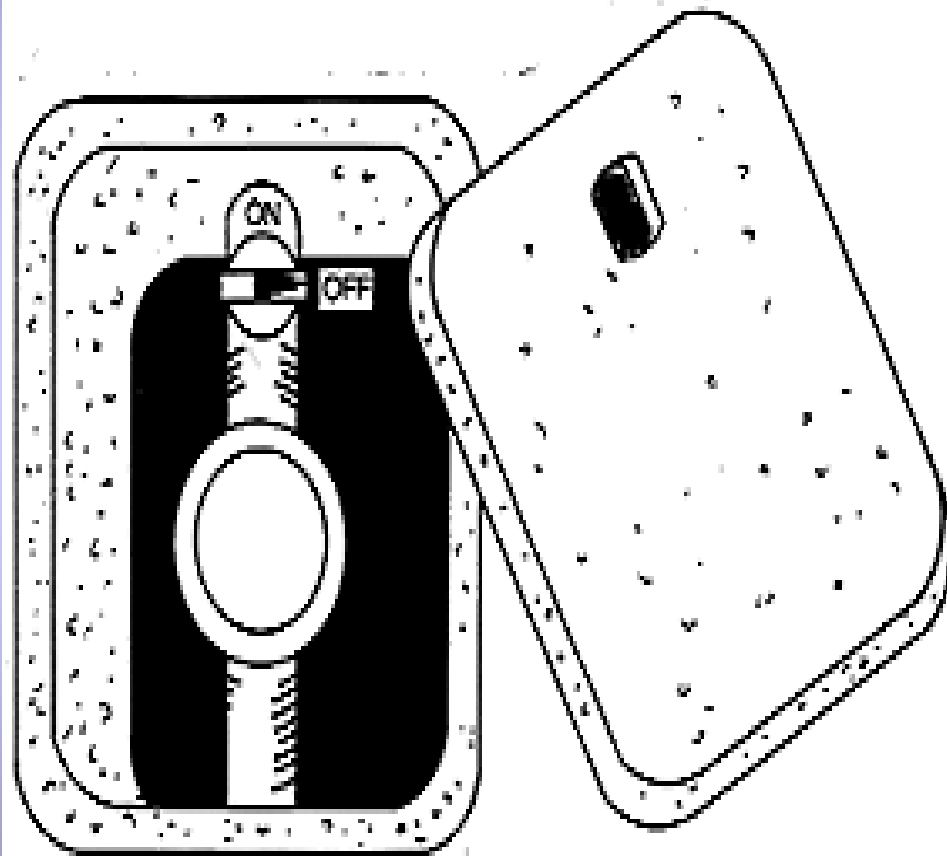




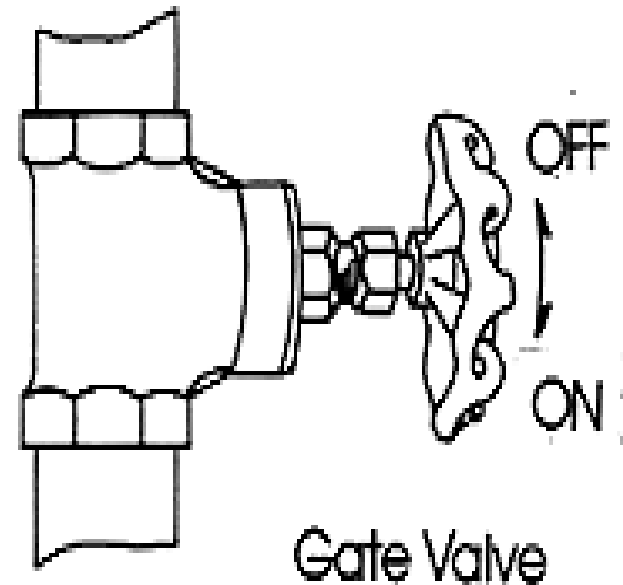
# Gas Shutoff



# Water Shutoff



Water Meter

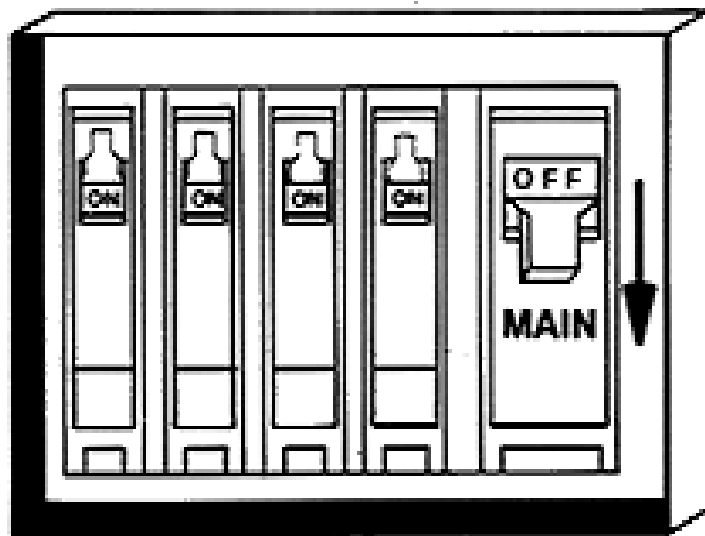


Gate Valve

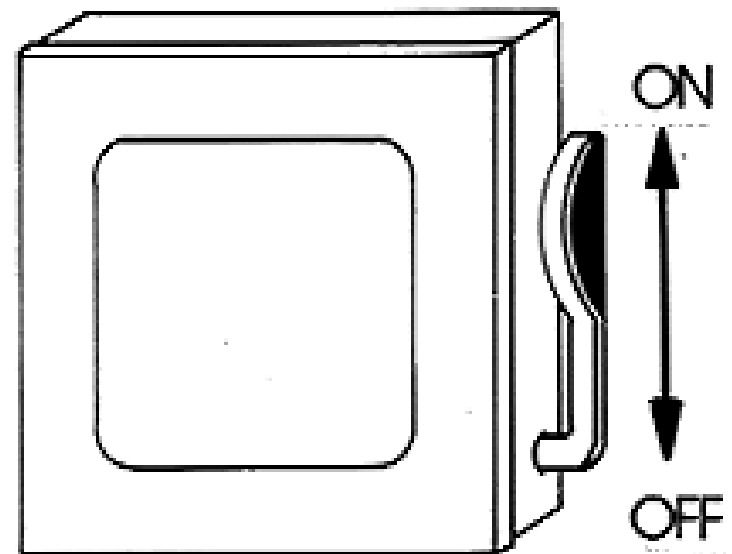
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# Electricity Shutoff

Turn off Main toggle only



Simplified Circuit Breaker Box



Main Fuse Box



# Hospitals Suffer Damage Too

- **All Clinic Personnel and Patients**
  - Muster at parking lot, north side of building
  - Supervisors take a head count
- **Form triage teams and provide first aid**
- **Search team for missing personnel**
- **Contact Medical Command Post**
  - Provide assistance as needed



Thanks to:  
US Geologic Survey

